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North Coast Regional Water Quality Control Board

September 4, 2014

**Dairy Water Quality Inspection Report**

**Dairy Name:** Mazzetta Dairy  
**Physical Address:** 1798 Pepper Road, Petaluma, CA 94952  
**Waste Discharger ID** 1B11119DSON  
**Inspection Date:** April 14, 2014 at 2:00 P.M.  
**Inspection Attendance:** Cherie Blatt, Regional Water Board  
Ken Mazzetta, Dairy Operator  
Melissa Lema, Western United Dairymen  
Glenn Sakamoto, Environmental Protection Agency (USEPA)  
Becky Mitschele, USEPA  
**Dairy Type:** Organic  
**Cow Breed:** Holstein, Jersey cross, Ayrshire cross  
**Cow Numbers:** 310 Milking and Dry (November 2013)  
350 Other (November 2013)  
**Permitted Maximum Milking + Dry:** 350  
**Permitted Maximum Other Dairy Cattle:** 275  
**Acres Owned:** 485 acres  
**Acres that receive manure and/or process water:** 240 acres  
**Nutrient Management Plan:** 2014  
**Watersheds:** Stemple Creek

**I. Introduction**

On April 14, 2014, North Coast Regional Water Quality Control Board (Regional Water Board) staff conducted a routine inspection of Mazetta Dairy. The purpose of this inspection was to review the dairy water quality practices for compliance with the Conditional Waiver of Waste Discharge Requirements for Existing Cow Dairies Order R1-2012-0003 (Waiver). Recommendations listed at the end of this report are offered to protect surface waters, groundwaters, and ensure compliance with the Waiver.

### **Timeline**

April 24, 2012: The dairy submitted a Notice of Intent to enroll in the Waiver.

June 13, 2012: The dairy was enrolled under the Waiver.

November 29, 2012: The Regional Water Board received the dairy's Water Quality Plan as required by the Waiver. Cow numbers at that time were 350 milking + dry, and 250 other cattle.

December 2, 2013: Regional Water Board received an Annual Report from Mazetta Dairy as required by the Waiver. The Annual Report indicates group membership with the Sonoma-Marín Representative Dairy Surface Water Monitoring program for surface water monitoring. No groundwater monitoring results were attached to the report, however an Extension Request for Late Groundwater Well Sampling was included with the Annual Report. The submittal states that samples will be collected at the Domestic/Ag well in Fall 2013, Spring 2014, Fall 2014 and will be completed in Spring 2015.

## **II. Conclusion and Recommendations:**

Soils and manure at Mazetta Dairy were observed to be stabilized, erosion control is practiced, and the dairy does not appear to pose a threat to surface waters or groundwater. The below-listed recommendations are offered to protect surface waters, groundwaters, and ensure compliance with the Waiver.

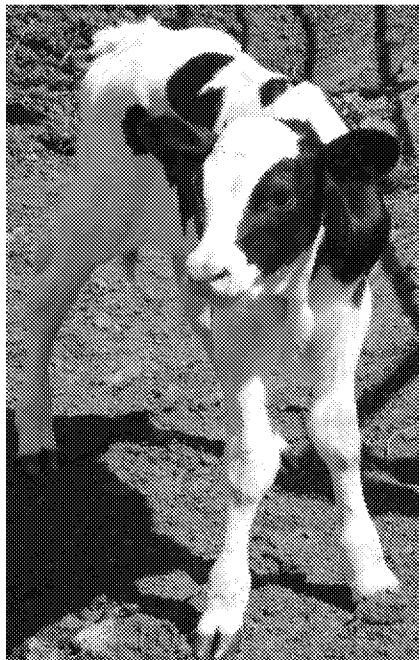
1. The West manure pond (Pond 1: liquids + solids) is located just 100 feet from Stemple Creek at its closest point. The Water Quality Plan states that the ponds are protected from 20-year peak storms. Still, the inspection revealed that weed growth on the berm of this pond was high and hindered inspection. Weeds growing on manure pond berms must be trimmed regularly to aid in checking the pond for leaks.
2. The Water Quality Plan states that clean stormwater runoff is managed by gutters, berms, and diversion ditches. The gutters on the buildings were photographed and inspected by Regional Water Board staff during the inspection. About half of the buildings have effective gutters. However, other buildings either did not have gutters or the gutters did not effectively route clean stormwater away from the production area. Please consider repair and installation of rain gutters on buildings to route clean stormwater away from the production area. This helps to retain capacity in the manure ponds, and prevents manure-laden runoff to surface waters and groundwater.

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**Enclosures-** Dairy (2), Location, and Topographic Maps

**Photo Log - April 14, 2014 by Cherie Blatt**

1. Dairy Signs



2. Calf



3. Cows



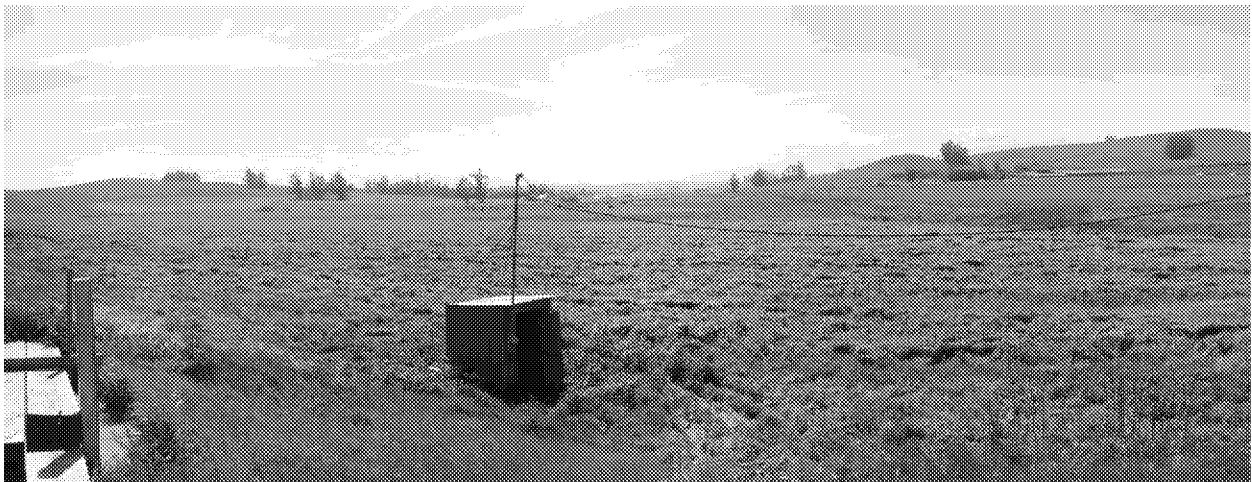
4. Stemple Creek



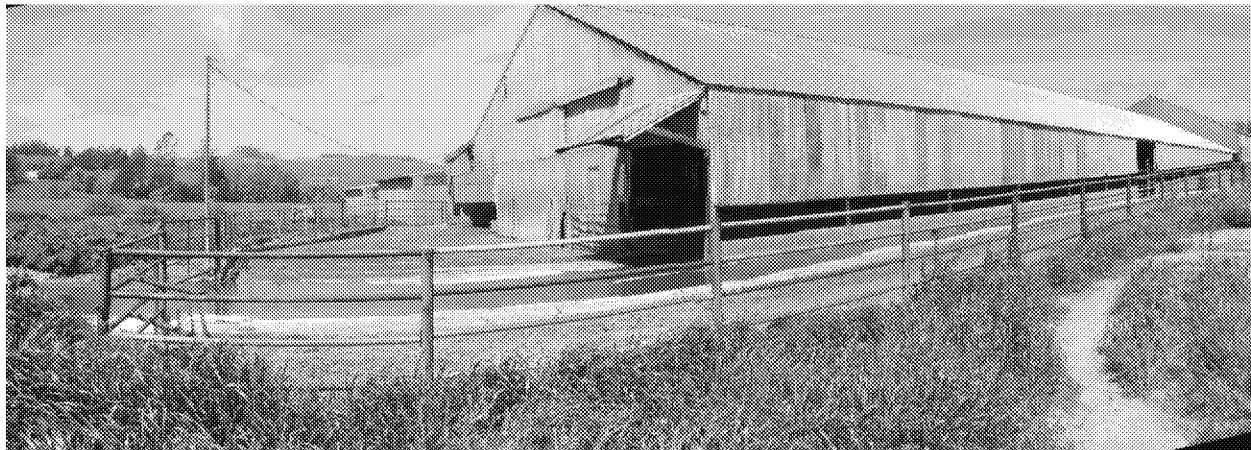
5. Fuel Storage



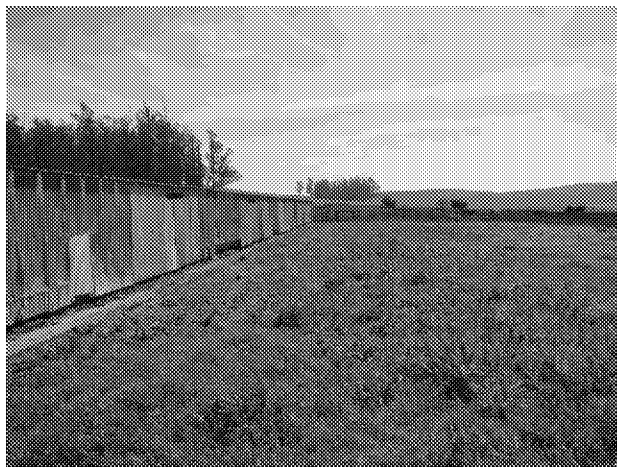
6. Liquid/Solid Pond 1



7. Agricultural well



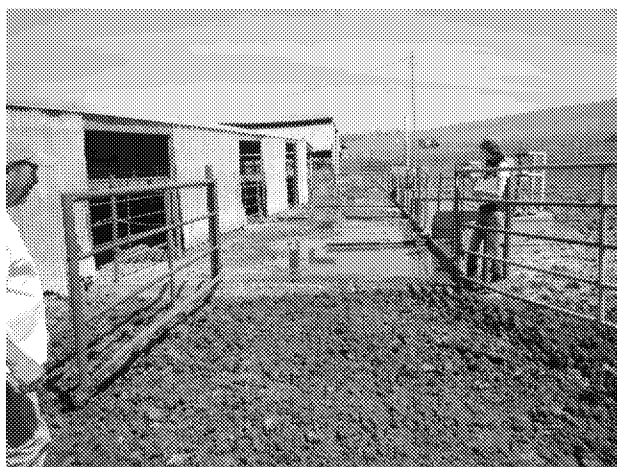
8. Concrete lane and barn scraped to manure Pond 1 (note lack of roof gutters).



9. Southeast corner of production area. Roof drains to grassy pasture.



10. Southeast corral.



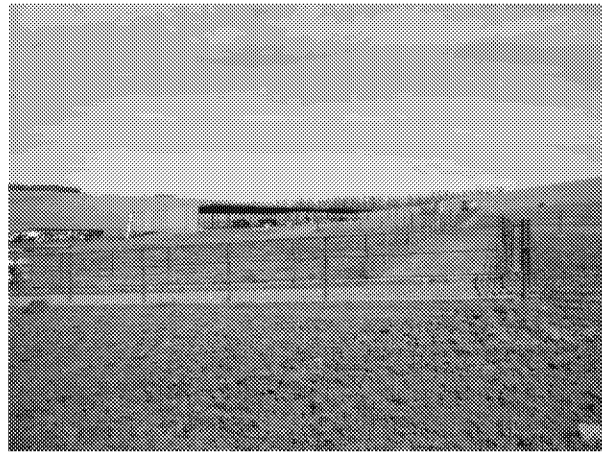
11. East side of production area.



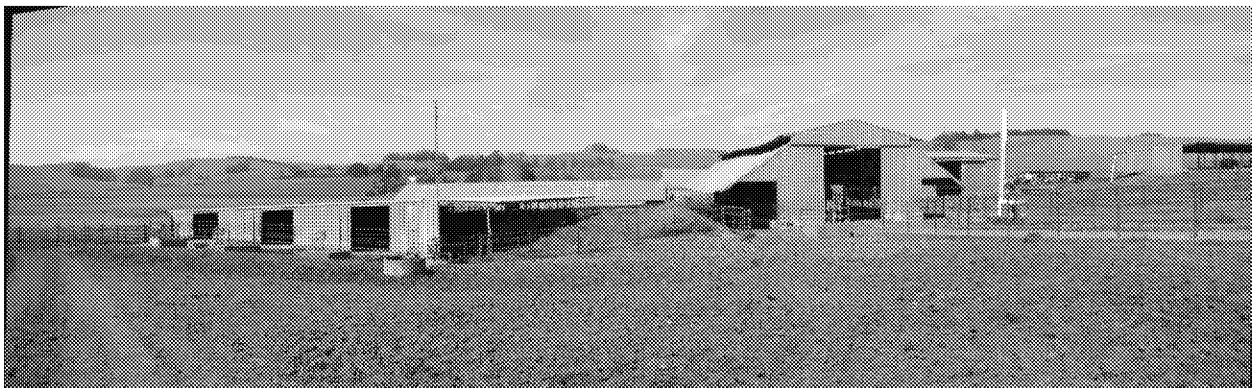
12. East corral.



13. East Corral.



14. Southern Production Area. Note rain gutter on building on left.



15. Southern Production Area. Note lack of rain gutters on center and left buildings.



16. Corral (left) drains to Liquids Pond 2 (right) via culvert.





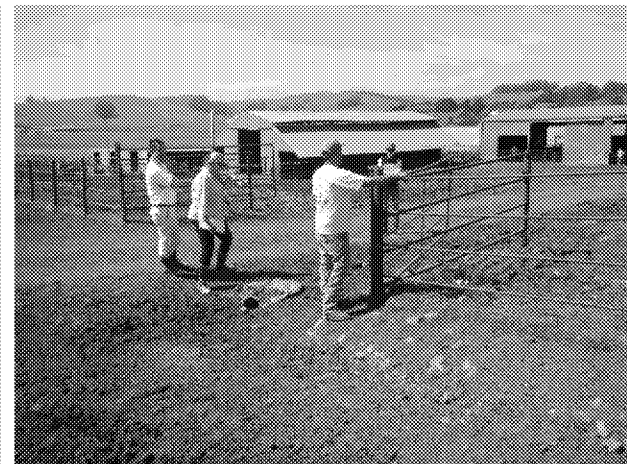
17. Liquids Pond 2



18. Central Production Area. Note broken downspout on right building



19. Southern Production Area looking North.



20. Southern Production Area. Note culvert drains corral to manure pond.